



ENTRY REQUIREMENTS

WASSCE/NECO:

Minimum C6 in 6 subjects including 3 core subjects (**Maths and English mandatory**) and 3 elective subjects.

SSSCE:

Minimum D or a pass in 6 subjects including 3 core subjects (**Maths and English mandatory**) and 3 elective subjects.

IGCSE O-LEVEL & A-LEVEL:

Minimum of 5 credit passes in the IGCSE O-Levels / (**Maths and English mandatory**) and 3 passes in the A-Levels.

ENGLISH IB:

Minimum of 5 credit passes in the IGCSE/O-Levels (**Maths and English mandatory**) and a minimum score of 4 points in 3 Higher Level (HL) subjects.

FRENCH IB:

Minimum of 50% overall average pass. (Results to be presented to NAB for verification) **Maths and English mandatory**

AMERICAN HIGH SCHOOL:

Minimum GPA of 3.0 (**Maths and English mandatory**)

HOW TO APPLY

Complete the online application form:
www.acity.edu.gh/applyonline
OR

Email: admissions@acity.edu.gh

#AskACity

📍 Haatso-Accra, Ghana

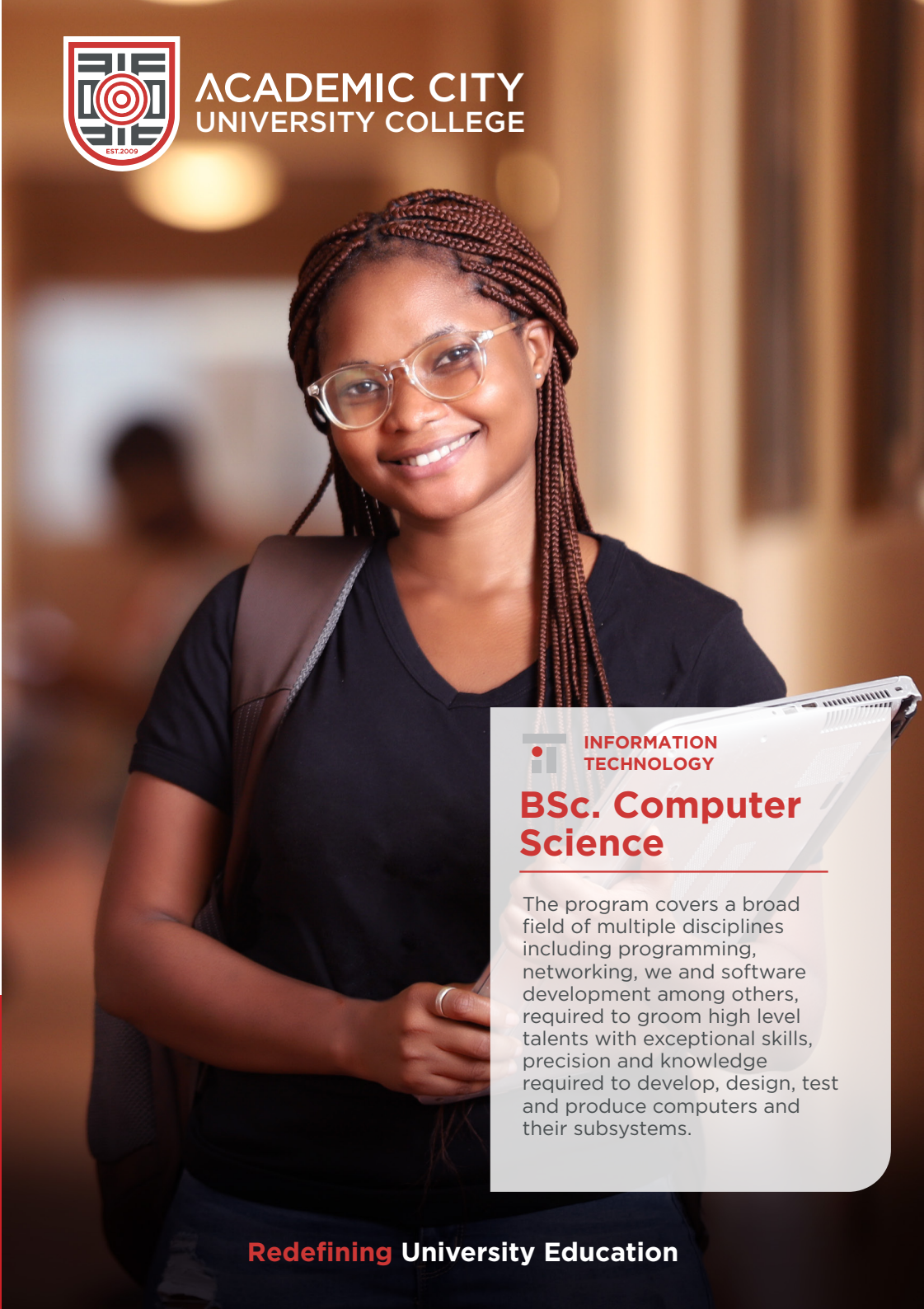
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IT INFORMATION
TECHNOLOGY

BSc. Computer Science

The program covers a broad field of multiple disciplines including programming, networking, we and software development among others, required to groom high level talents with exceptional skills, precision and knowledge required to develop, design, test and produce computers and their subsystems.

SEMESTER 1

Course Name

Communication Skills
Data Analysis (using MS Excel)
French Language
Fundamentals of Innovation and Entrepreneurship (FIE) Seminar I
Introduction to Programming with Python
Physical Sciences
Pre-Calculus (with MATLAB)
Technology and Society

SEMESTER 2

Course Name

Analytic Geometry and Calculus I (with MATLAB)
Emerging Technologies
Financial Accounting I
Fundamentals of Innovation and Entrepreneurship (FIE) Seminar II
Introduction to Electrical and Electronics Engineering
Logic and Critical Thinking
Programming in C
Text and Meaning

SEMESTER 5

Course Name

Computer Networks
Database Systems
Discrete Mathematics (with MATLAB)
Leadership Seminar II
Numerical Methods (with MATLAB)
Object Oriented System Design
Operating Systems
Web Technologies

SEMESTER 6

Course Name

Computer Graphics and Multimedia
Distributed Computing
Industry Internship
Principles of Compiler Design
Project Management, Engineering Economics and Risk Analysis
Research Methods in Computing
Software Engineering

SEMESTER 3

Course Name

Analytic Geometry and Calculus II (with MATLAB)
Data Structures and Algorithms
Fundamentals of Innovation and Entrepreneurship (FIE) I
Fundamentals of Logic Design
Introduction to Operations Research
Leadership Seminar I
Object Oriented Programming with C++

SEMESTER 4

Course Name

African Studies
Applied Linear Algebra (with MATLAB)
Computer Architecture and Organisation
Design and Analysis of Algorithms
Fundamentals of Innovation and Entrepreneurship (FIE) II
Probability, Statistics and Reliability (with MATLAB)
Programming with Java

SEMESTER 7

Course Name

Computer Security
Computer Systems Programming
Human-Computer Interaction
Project Phase I
Technical Elective - I
Technical Elective - II

SEMESTER 8

Course Name

Introduction to Artificial Intelligence
Mobile Computing
Professional Ethics and Values
Project Phase II
Technical Elective - III
Technical Elective - IV

ELECTIVES

Data Processing and Networks

Cryptography and Network Security
Neural Networks
Data Mining and Warehousing
TCP/IP Design and Implementation

Modern Computing and Programming

E-commerce
Programming in ASP.NET
Advanced Java Programming
Cloud Computing

Advanced and Emerging Technologies

Embedded Systems
Introduction to Robotics
Internet of Things (IoT)
Machine Learning

Computational Sciences and Data Analytics

Business Intelligence
Cloud Application
Introduction to Data Science
Machine Learning